CLAIMS

What is claimed is:

1. A method for securing data in a mobile computing device, comprising the steps of:

transmitting a periodic signal from the mobile computing device to a remote server;

receiving a retrieval request at the mobile computing device from the remote server, wherein the retrieval request includes a data identification for identifying original resident data at the mobile computing device;

in response to the retrieval request,

securing an original resident data identified by the data identification by creating a secure file of the original resident data, and

after creating the secure file, deleting the original resident data from the mobile computing device.

2. The method of claim 1, further comprising the step of compressing the secure file.

3. The method of claim 1, wherein the step of securing an original resident data further comprising the steps of:

receiving an encrypting key from the remote server; and

encrypting the original resident data using the encryption key.

4. A method for recovering data from a mobile computing device, comprising the steps of:

transmitting a periodic signal from the mobile computing device to a remote server;

receiving a retrieval request at the mobile computing device from the remote server, wherein the retrieval request includes a data identification for identifying original resident data at the mobile computing device;

in response to the retrieval request,

selecting the original resident data identified by the data identification,

sending the original resident data to the remote server, and

after sending the original resident data, deleting the original resident data from the mobile computing device.

5. The method of claim 4, further comprising the step of dividing the original resident data into a plurality of segments of a predetermined size.

6. The method of claim 4, further comprising the step of compressing the original resident data on the mobile computing device.

7. The method of claim 4, further comprising the step of establishing a secured connection between the mobile computing device and the remote server.

8. The method of claim 4, further comprising the step of establishing a FTP connection between the mobile computing device and the remote server.

9. The method of claim 4, further comprising the step of establishing a HTTP connection between the mobile computing device and the remote server.

10. A method for securing data in a mobile computing device and recovering the data through a server, comprising the steps of:

receiving a periodic signal from the mobile computing device, the periodic signal having an identification information for identifying the mobile computing device;

comparing the identification information with a subscriber data in the server; and

if the subscriber data indicates retrieval of data from the mobile computing device,

transmitting a retrieval request from the server to the mobile computing device, wherein the retrieval request includes a data identification for identifying original resident data on the mobile computing device, and

receiving a secured file containing the original resident data secured from the mobile computing device.

11. The method of claim 10, further comprising the step of, if the subscriber data does not indicate retrieval of data from the mobile computing device, transmitting an acknowledgement signal to the mobile computing device.

12. The method of claim 10, further comprising the step of decrypting the secured data received from the mobile computing device.

13. The method of claim 10, wherein the step of receiving the secured file further comprising the steps of:

receiving a plurality of segments of secured data from the mobile computing device; and

assembling the plurality of segments of secured data into the secured file.

14. The method of claim 10, further comprising the step of establishing a secured connection between the mobile computing device and the server.

15. The method of claim 10, further comprising the step of establishing a FTP connection between the mobile computing device and the server.

16. The method of claim 10, further comprising the step of establishing a HTTP connection between the mobile computing device and the server.

17. The method of claim 10, further comprising the step of, if the subscriber data indicates retrieval of location data for the mobile computing device, receiving a location data from a service provider.

18. The method of claim 17, wherein the service provider is a telephone service provider and the location data is an origination telephone number through which the mobile computing device communicates with the server.

19. The method of claim 17, wherein the service provider is an Internet service provider and the location data is a network address through which the mobile computing device communicates with the server.

20. The method of claim 10, further comprising the steps of:
receiving a retrieval indicator from a user; and
storing the retrieval indicator in the subscriber data.

21. A mobile computing device that selectively communicates with a remote server, the mobile computing device transmitting a periodic signal from the mobile computing device to the remote server,
receiving an retrieval request from the remote server, wherein the retrieval request includes a data identification for identifying original resident data on the mobile computing device, and
in response to the retrieval request,
securing original resident data identified by the data identification by creating a secure file of the original resident data, and
after creating the secure file, deleting the original resident data from the computing device.

22. The computing device of claim 21, further being capable of compressing the secure file.

23. The computing device of claim 21, further being capable of:
receiving an encrypting key from the remote server; and
encrypting the original resident data using the encryption key.

24. A mobile computing device selectively in communication with a remote server, the mobile computing device transmitting a periodic signal from the mobile computing device to the remote server,

receiving an retrieval request from the remote server, wherein the retrieval request includes a data identification for identifying original resident data; and

in response to the retrieval request,

selecting the original resident data identified by the data identification,

sending the original resident data from the mobile computing device to the remote server, and

after sending the original resident data, deleting the original resident data from the computing device.

25. The computing device of claim 24, further being capable of dividing the original resident data into a plurality of segments of a predetermined size.

26. The computing device of claim 24, further being capable of sending an acknowledgement signal to the remote server.

27. The computing device of claim 24, further being capable of establishing a secured connection between the mobile computing device and the remote server.

28. The computing device of claim 24, further being capable of establishing a FTP connection between the mobile computing device and the remote server.

29. The computing device of claim 24, further being capable of establishing a HTTP connection between the mobile computing device and the remote server.

30 A remote server in selective communication with one or more mobile computing devices, the remote server selectively recovering data from one or more mobile computing devices through

receiving a periodic signal from the computing device, the periodic signal having an identification information for identifying the mobile computing device; and

comparing the identification information with subscriber data in the server;

if the subscriber data indicates retrieval of data from the mobile computing device,

transmitting a retrieval request to the mobile computing device, wherein the retrieval request includes a data identification for identifying original resident data on the mobile computing device, and

receiving a secure file from the mobile computing device, the secure file containing the original resident data.

31. The remote server of claim 30, further being capable of, if the subscriber data does not indicate retrieval of data from the computing device, sending an acknowledgement signal to the mobile computing device.

32. The remote server of claim 30, further being capable of decrypting the secure file.

33. The remote server of claim 30, wherein the step of receiving the secure file further comprising the steps of:

receiving a plurality of segments of secure data; and

assembling the plurality of segments of secure data into the secure file.

34. The remote server of claim 30, further being capable of establishing a secured connection between the mobile computing device and the remote server.

35. The remote server of claim 30, further being capable of establishing a FTP connection between the mobile computing device and the remote server.

36. The remote server of claim 30, further being capable of establishing a HTTP connection between the mobile computing device and the remote server.

37. The remote server of claim 30, further being capable of, if the subscriber data indicates retrieval of location data for the mobile computing device, receiving a location data from a service provider.

38. The remote server of claim 37, wherein the service provider is a telephone service provider and the location data is an origination telephone number through which the mobile computing device communicates with the remote server.

39. The remote server of claim 37, wherein the service provider is an Internet service provider and the location data is a network address through which the mobile computing device communicates with the remote server.

40. The remote server of claim 30, further being capable of:

receiving a retrieval indicator from a user; and

storing the retrieval indicator in the subscriber data.

41. A computer-readable medium on which is stored a computer program for securing data in a mobile computing device from commanding by a remote server, the computer program comprising instructions which, when executed by the mobile computing device, cause the device to perform the steps of:

transmitting a periodic signal from the mobile computing device to a remote server;

receiving a retrieval request from the remote server, the retrieval request includes a data identification for identifying original resident data on the mobile computing device;

in response to the retrieval request,

securing an original resident data identified by the data identification by creating a secure file of the original resident data, and

after creating the secure file, deleting the original resident data from the mobile computing device.

42. The computer program of claim 41, further performing the step of compressing the secure file.

43. The computing program of claim 42, further performing the steps of:

receiving an encrypting key from the remote server; and

encrypting the secure file using the encryption key.

44. A computer-readable medium on which is stored a computer program for securing data in a mobile computing device and recovering the data through transmission to a remote server, the computer program comprising instructions which, when executed by a mobile computing device, perform the steps of:

transmitting a periodic signal from the mobile computing device to the remote server;

receiving a retrieval request from the remote server, wherein the retrieval request includes a data identification for identifying original resident data on the mobile computing device;

in response to the retrieval request,

selecting the original resident data identified by the data identification,

sending the original resident data to the remote server, and

after sending the original resident data, deleting the original resident data from the mobile computing device.

45. The computer program of claim 44, further performing the step of dividing the original resident data into a plurality of segments of a predetermined size.

46. The computer program of claim 44, further performing the step of receiving an acknowledgement signal from the remote server.

47. The computer program of claim 44, further performing the step of establishing a secured connection between the mobile computing device and the remote server.

48. The computer program of claim 44, further performing the step of establishing a FTP connection between the mobile computing device and the remote server.

49. The computer program of claim 44, further performing the step of establishing a HTTP connection between the mobile computing device and the remote server.

50 A computer-readable medium on which is stored a computer program for securing data in a mobile computing device and recovering the data through a remote server, the computer program comprising instructions which, when executed by a remote server, perform the steps of:

receiving a periodic signal from a computing device, the periodic signal having an identification information for identifying the mobile computing device; and

comparing the identification information with a subscriber data in the server;

if the subscriber data indicates retrieval of data from the mobile computing device,

transmitting a retrieval request to the mobile computing device, wherein the retrieval request includes a data identification for identifying original resident data on the mobile computing device, and

receiving a secure file from the mobile computing device, the secure file containing the original resident data.

51. The computer program of claim 50, further performing the step of, if the subscriber data does not indicate retrieval of data from the mobile computing device, transmitting an acknowledgement signal to the mobile computing device.

52. The computer program of claim 50, further performing the step of decrypting the secure file.

53. The method of claim 50, wherein the step of receiving the secure file further comprising the steps of:

receiving a plurality of segments of secure data; and

assembling the plurality of segments of secure data into the secure file.

54. The computer program of claim 50, further performing the step of establishing a secured connection between the mobile computing device and the remote server.

55. The computer program of claim 50, further performing the step of establishing a FTP connection between the mobile computing device and the remote server.

56. The computer program of claim 50, further performing the step of establishing a HTTP connection between the mobile computing device and the remote server.

57. The computer program of claim 50, further performing the step of, if the subscriber data indicates retrieval of location data for the mobile computing device, receiving a location data from a service provider.

58. The method of claim 57, wherein the service provider is a telephone service provider and the location data is an origination telephone number through which the mobile computing device communicates with the remote server.

59. The method of claim 57, wherein the service provider is an Internet service provider and the location data is a network address through which the mobile computing device communicates with the remote server.

60. The computer program of claim 50, further performing the step of:
receiving a retrieval indicator from a user; and
storing the retrieval indicator in the subscriber data.